

Converting Colors

$Y_{xy}(68.7370, 0.2539, 0.3404)$

Have a look what the booklet for
Yxy(68.7370, 0.2539, 0.3404)
contains.

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Color

Yxy(68.4928, 0.2541, 0.3400)

Conversions

Conversions Part 1

Format	Color
Hex	7BEAE1
RGB	123, 234, 225
RGB Percent	48%, 92%, 88%
CMY	0.5175, 0.0824, 0.1176
CMYK	0.47, 0.00, 0.04, 0.08
HSL	175°, 73%, 70%
HSV	175°, 47%, 92%
XYZ	51.1883, 68.4928, 81.7683
YIQ	199.7850, -63.2670, -26.3310

Conversions

Conversions Part 2

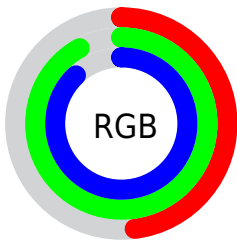
Format	Color
R _Y B	123, 181, 234
Decimal	8121057
CIE Lab	86.25, -33.94, -5.49
CIE LCh	86, 34.384, 189.194
Yxy	68.4928, 0.2541, 0.3400
Android (android.graphics.Color)	4286311137 (0xFF7BEAE1)
YUV	199.7850, 12.4310, -67.3404
Hunter-Lab	82.7604, -34.4262, -0.6470

Details

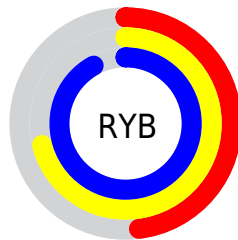
The Yxy color **68.4928, 0.2541, 0.3400** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **33.3367, 0.4328, 0.3193**, and the grayscale version is **57.5799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **35.7352, 0.2403, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **66.8675, 0.2459, 0.3427**, and if you desaturate by 10%, it is **70.5371, 0.2641, 0.3374**.

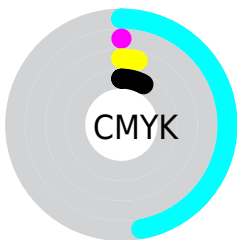
Distribution



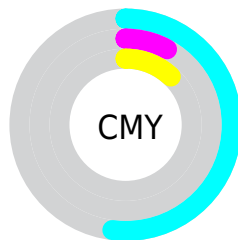
- Red (48%)
- Green (92%)
- Blue (88%)



- Red (48%)
- Yellow (71%)
- Blue (92%)



- Cyan (47%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)





- Cyan (52%)
- Magenta (8%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4928, 0.2541, 0.3400 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 68.4928, 0.2541, 0.3400 by changing the saturation by 10% instead.

 68.4928, 0.2541,
0.3400


 68.4928, 0.2541,
0.3400


455.2401, 0.2811,
0.3353


 50.2988, 0.2480,
0.3410


 117.0569, 0.2634,
0.3385

 35.6508, 0.2404,
0.3421


 148.1956, 0.2671,
0.3378

 24.1647, 0.2309,
0.3434


 184.4181, 0.2702,
0.3373

 15.4558, 0.2186,
0.3450

226.1088, 0.2730,
0.3368

 9.1399, 0.2020,
0.3469

273.6518, 0.2754,
0.3364

 4.8325, 0.1786,
0.3489

327.4318, 0.2775,

 2.1493, 0.1438,

0.3360

387.8331, 0.2794,
0.3356

0.3503

0.6922, 0.0000,
0.3761

0.0000, 0.0000,
0.0000

68.4928, 0.2541,
0.3400

68.4928, 0.2541,
0.3400

66.8675, 0.2459,
0.3427

70.5371, 0.2641,
0.3374

65.6232, 0.2395,
0.3455


73.0191, 0.2756,
0.3349

64.7287, 0.2352,
0.3482


75.9663, 0.2884,
0.3326


64.1444, 0.2327,
0.3510


79.4014, 0.3021,
0.3305

 63.8173, 0.2319,
0.3537


 83.3457, 0.3165,
0.3285

 63.7531, 0.2318,
0.3544

 86.1819, 0.3255,
0.3267

 86.2928, 0.3242,
0.3248

 86.4049, 0.3230,
0.3230

 86.5181, 0.3218,
0.3212

Harmonies

Analogous

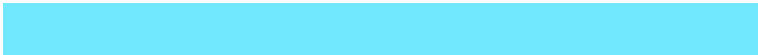
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.4928, 0.2874, 0.3795



68.4928, 0.2541, 0.3400



68.4928, 0.2366, 0.3002

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.4928, 0.2541, 0.3400



68.4928, 0.2921, 0.2660



68.4928, 0.3927, 0.3807

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68.4928, 0.2541, 0.3400



33.3367, 0.4328, 0.3193

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.4928, 0.3953, 0.3488



68.4928, 0.2541, 0.3400



68.4928, 0.3349, 0.2853

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.4928, 0.2541, 0.3400



68.4928, 0.2574, 0.2609



68.4928, 0.3737, 0.3147



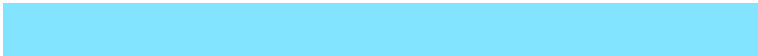
68.4928, 0.3678, 0.4018

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.4928, 0.2541, 0.3400



68.4928, 0.2353, 0.2798



68.4928, 0.3737, 0.3147



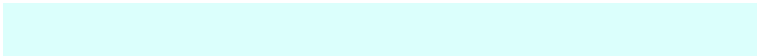
68.4928, 0.3963, 0.3708

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68.4955, 0.2541, 0.3400



93.6620, 0.2929, 0.3319



65.2043, 0.3110, 0.4764



19.8615, 0.2899, 0.3323



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.4955, 0.2541, 0.3400



81.2980, 0.2460, 0.3427



46.0225, 0.2388, 0.2683



17.0996, 0.2992, 0.3309



35.8359, 0.2317, 0.3540



2.8202, 0.2306, 0.3502

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.3367, 0.4328, 0.3193



33.7271, 0.4738, 0.3180



47.4023, 0.4162, 0.3813



15.0738, 0.3280, 0.3271



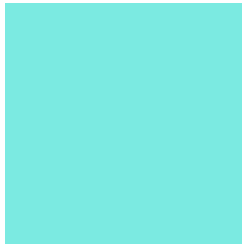
9.8633, 0.6311, 0.3250



0.7814, 0.6090, 0.3129

Previews

White Background



This preview shows how the Yxy color 68.4928, 0.2541, 0.3400 looks on a white background.

Color Contrast Check

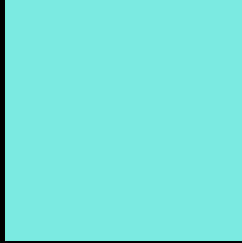
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 68.4928, 0.2541, 0.3400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

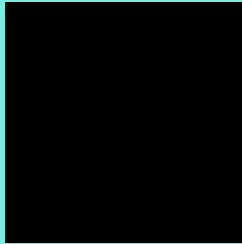
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

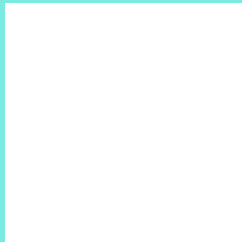
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.4928, 0.2541, 0.3400

Background



This preview shows how black text looks on a background with the Yxy color 68.4928, 0.2541, 0.3400.

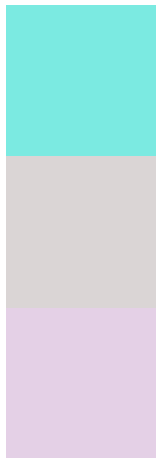


This preview shows how white text looks on a background with the Yxy color 68.4928, 0.2541, 0.3400.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

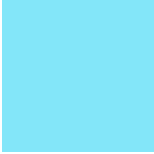
68.4928, 0.2541, 0.3400

Protanopia

67.2980, 0.3164, 0.3290

Deuteranopia

67.3189, 0.3123, 0.3055



Tritanopia

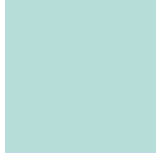
68.2585, 0.2456, 0.3062

Trichromacy



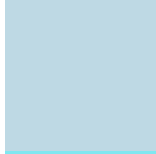
Original Color

68.4928, 0.2541, 0.3400



Protanomaly

66.7899, 0.2893, 0.3336



Deuteranomaly

66.1743, 0.2870, 0.3163



Tritanomaly

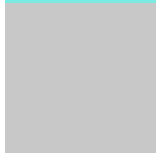
68.0323, 0.2486, 0.3179

Monochromacy



Original Color

68.4928, 0.2541, 0.3400



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.4611, 0.2864, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4928, 0.2541, 0.3400 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(123, 234, 225)` looks like.

```
.text, #text, p{  
    color:rgb(123, 234, 225)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(123, 234, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 234, 225) }
```

Border

The CSS property to change the border of an element to Yxy 68.4928, 0.2541, 0.3400 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(123, 234, 225) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(123, 234, 225) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(123, 234, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 234, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 234, 225);  
box-shadow:4px 4px 4px 4px rgb(123, 234,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4928, 0.2541, 0.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 234, 225) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(123,  
234, 225) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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